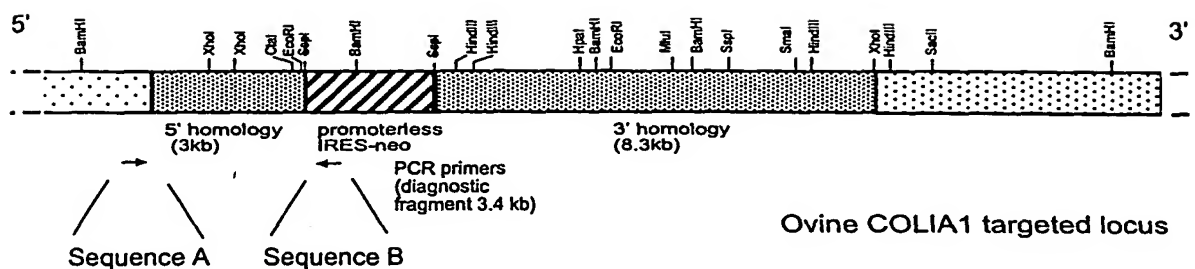
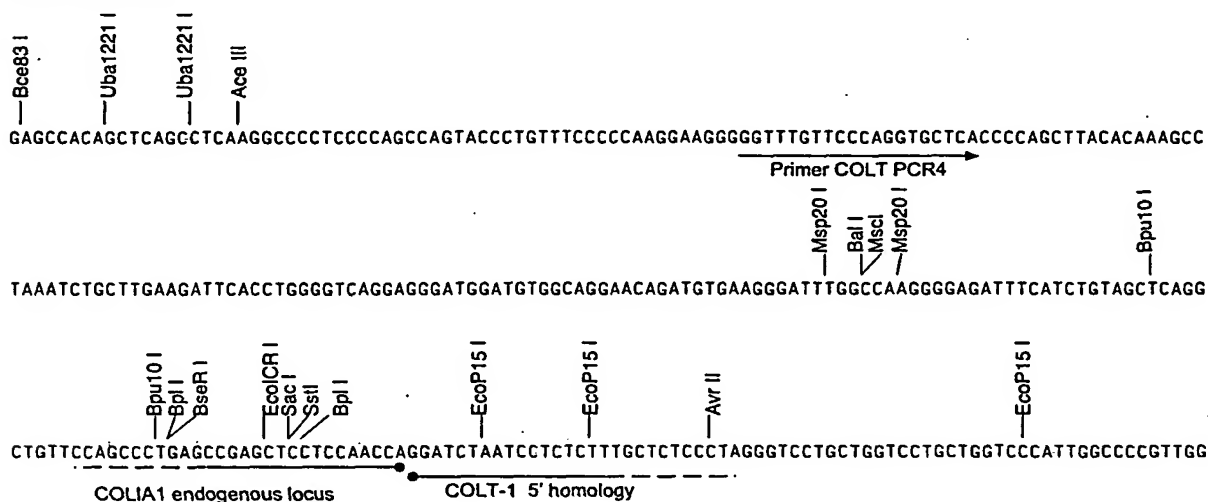


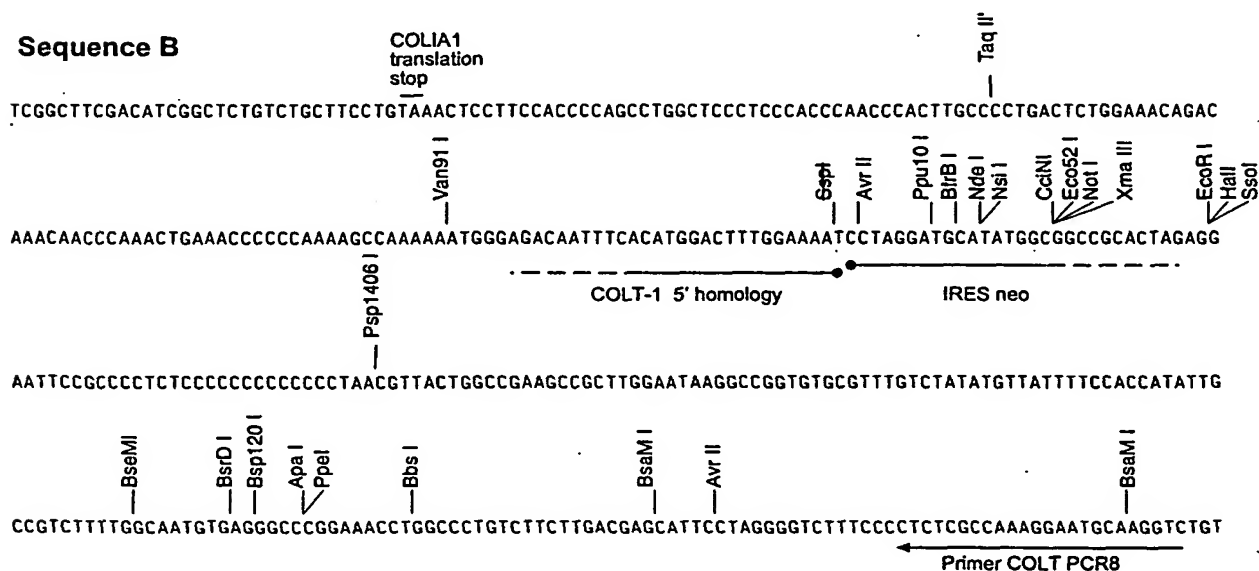
Figure 2. PCR screening strategy



Sequence A



Sequence B



10080713-022502

Figure 3. PCR screen of COLT-1.PDFF2 transfectants

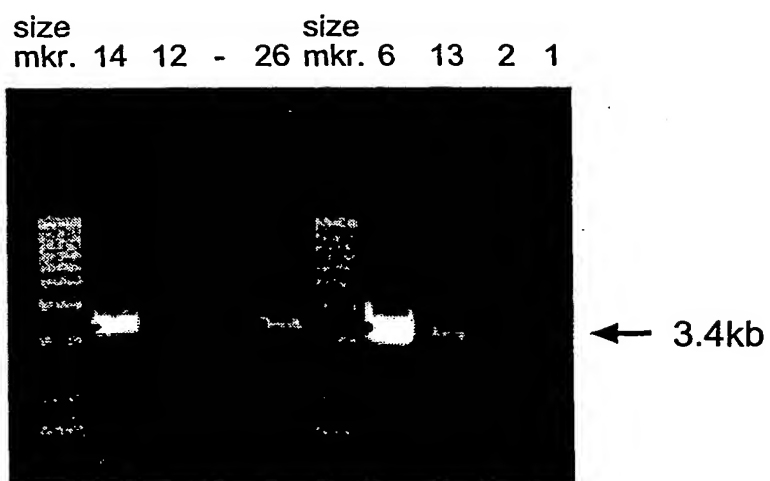


Figure 5. Construction of COLT-2 Transgene placement vector

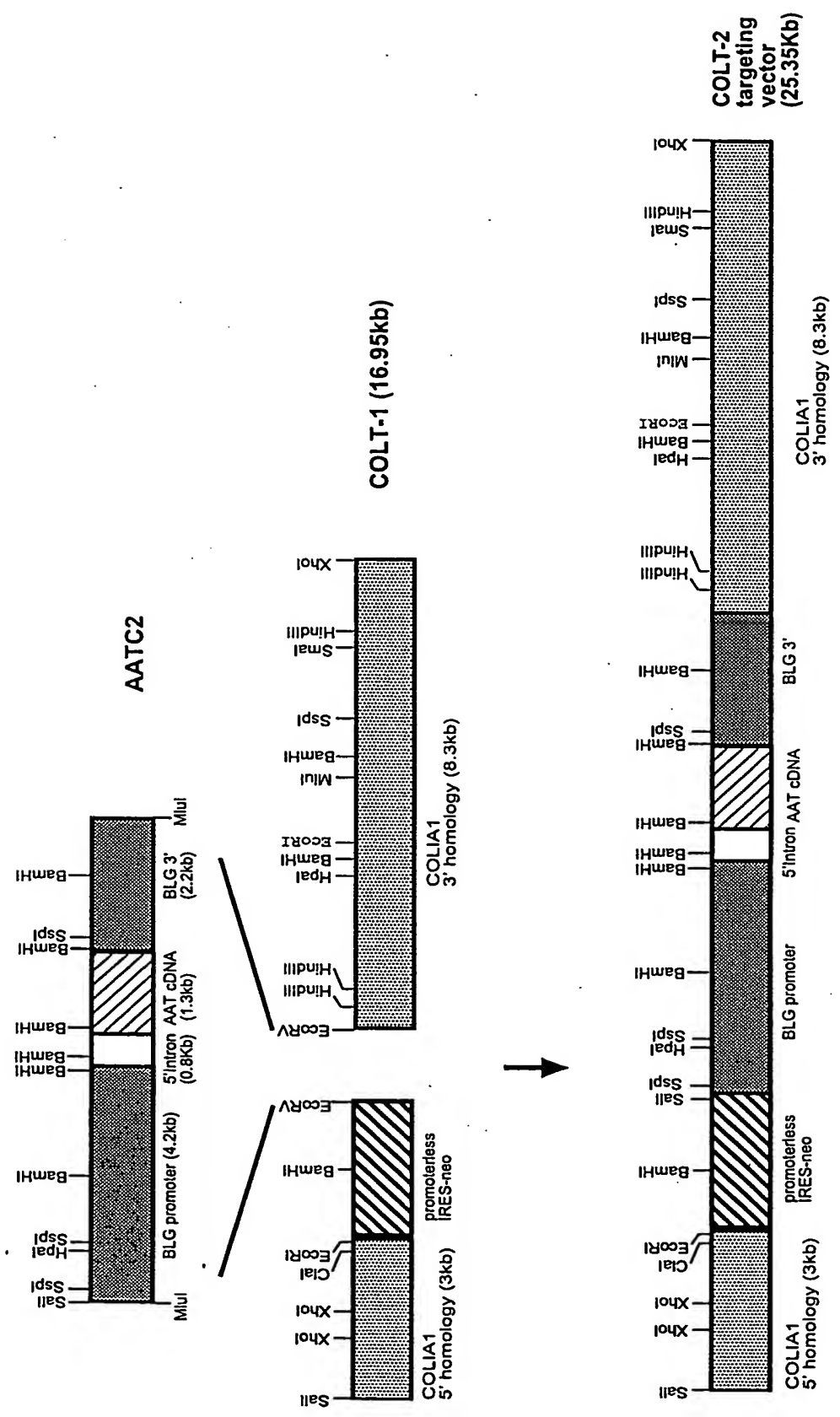


Figure 6. Southern analysis of gene targeted lambs



Key to lanes

COLT1 targeted lambs
(nuclear transfer from cell clone PDCOL6)

- A. live lamb born from ewe 941235
- B. stillborn lamb from ewe 9600356
- C. live lamb born from ewe 950030
- D. stillborn lamb from ewe 941053.

COLT 2 targeted lambs
(nuclear transfer from cell clone PDCAAT90)

- E. stillborn lamb from ewe NZ1418
- F. live lamb born from ewe 941026

- G. wild type lamb
- H. cell clone PDCAAT90.
- I. non transfected PDFF2 cells

Figure 7. Structure of the COLT-1 and COLT-2 targeted loci

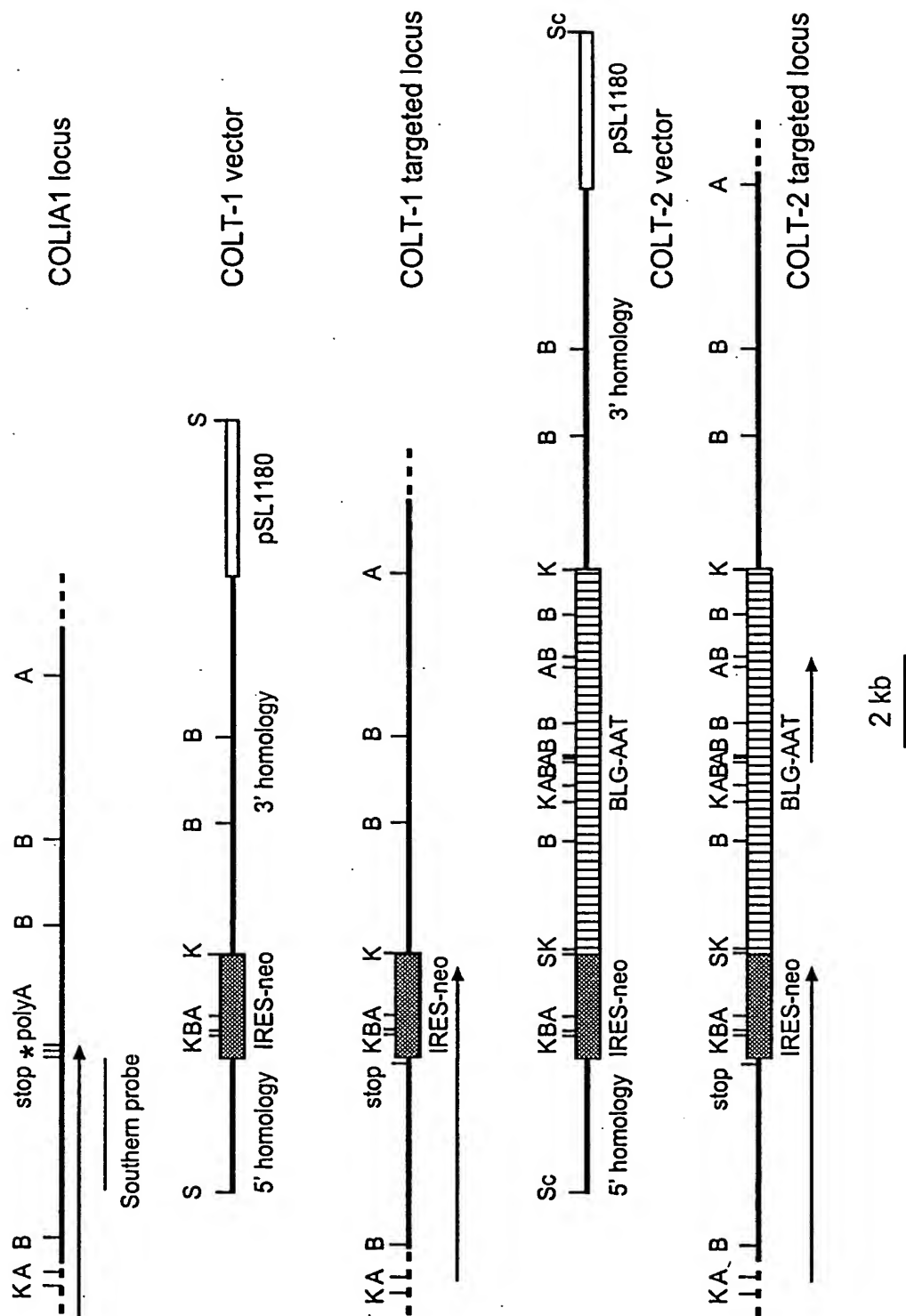


Figure 8. Southern analysis of COLT-2 transfected (PDCAAT) cell clones

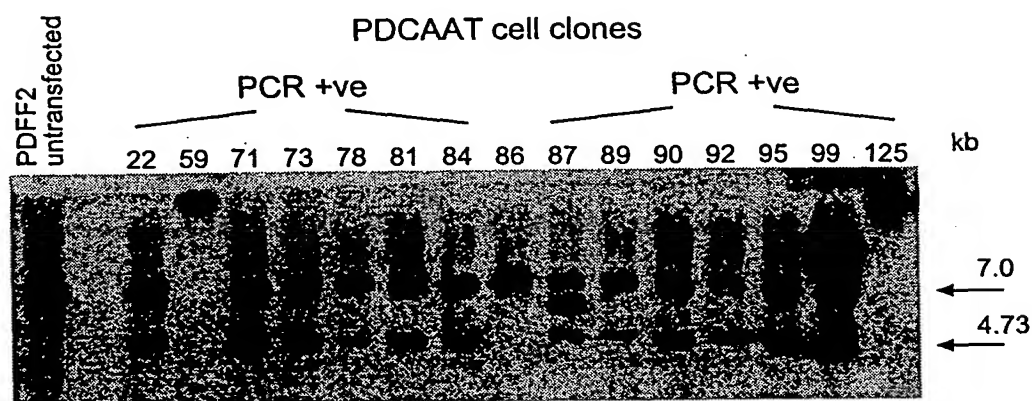


Figure 9. Northern analysis of COLT-2 targeted (PDCAAT) cell clones

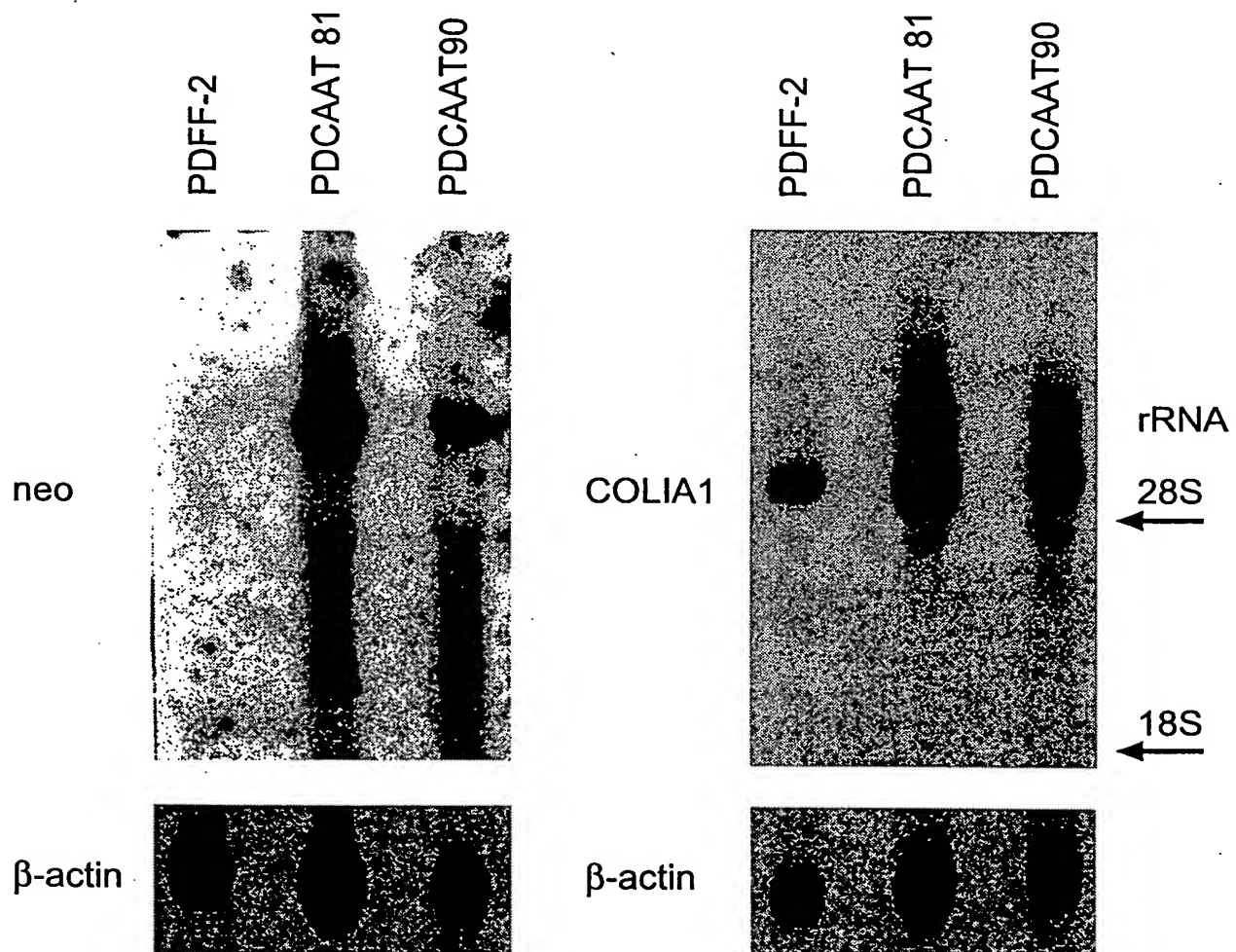


Figure 10. Northern analysis of primary ovine mammary cells in culture

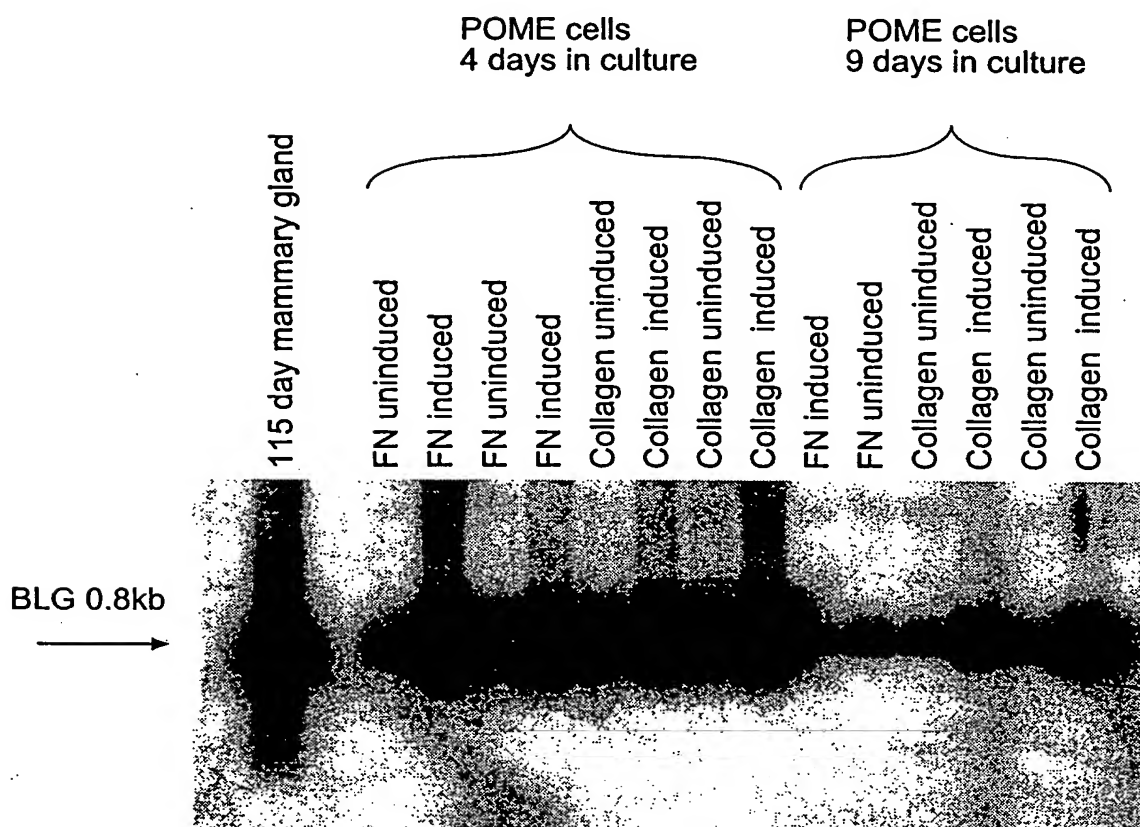


Figure 11. Ovine beta lactoglobulin targeting vector BLAT-3

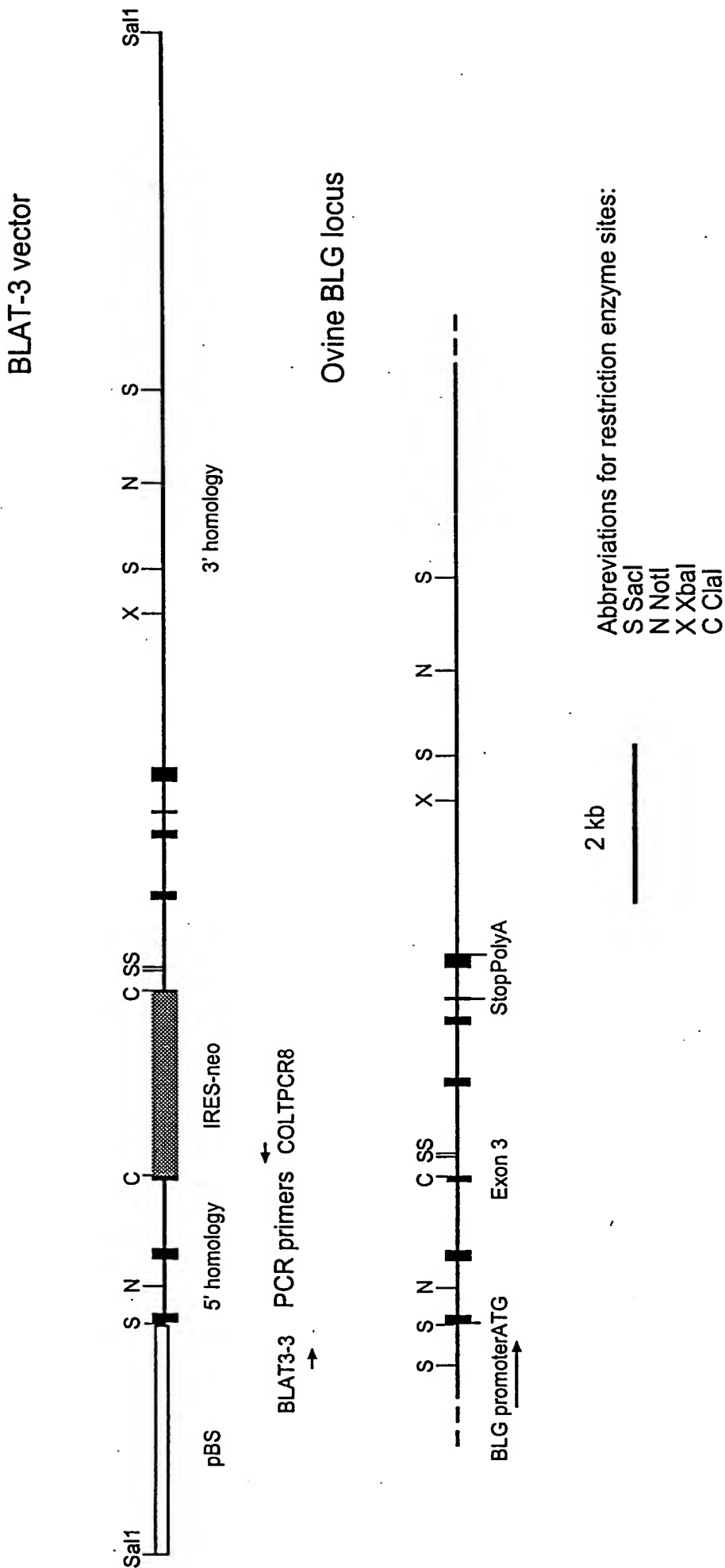


Figure 12. PCR analysis of BLAT-3 transfected POME cell clones

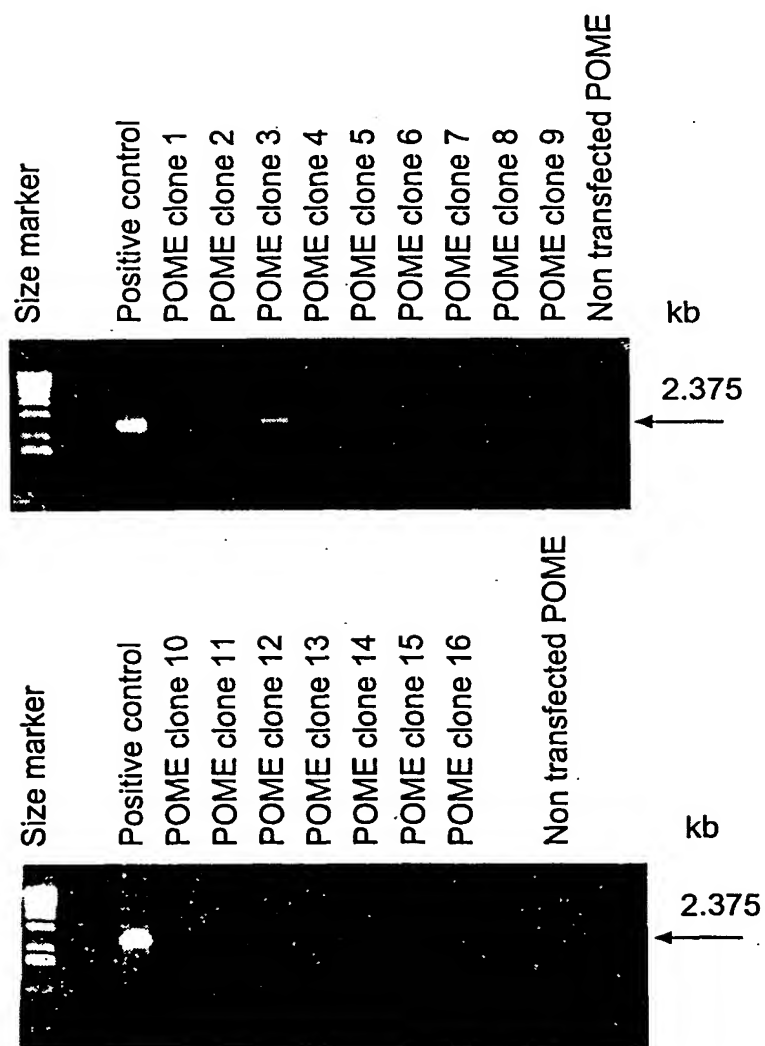
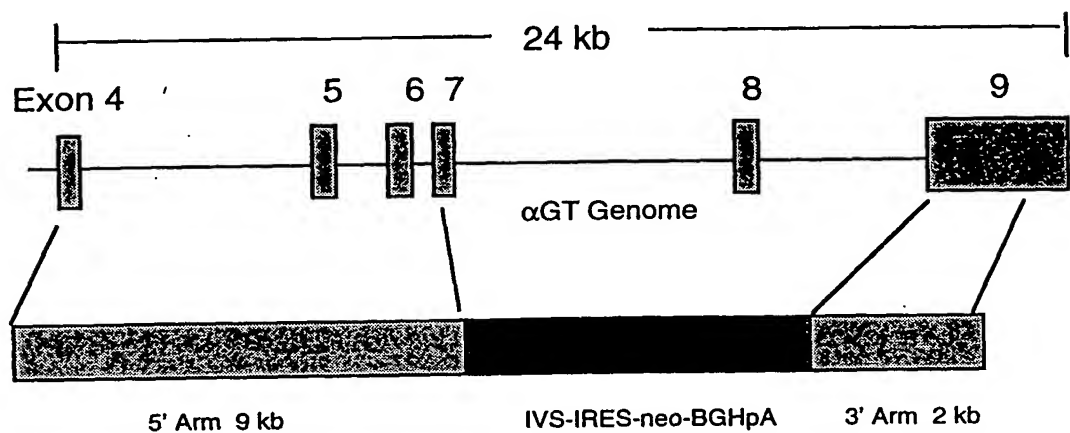


Figure 13. Promoter-trap Knockout Vector for Porcine α -1,3-Galactosyltransferase Gene



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Figure 14. PCR Screening and DNA Sequencing of α GT Knockout clones

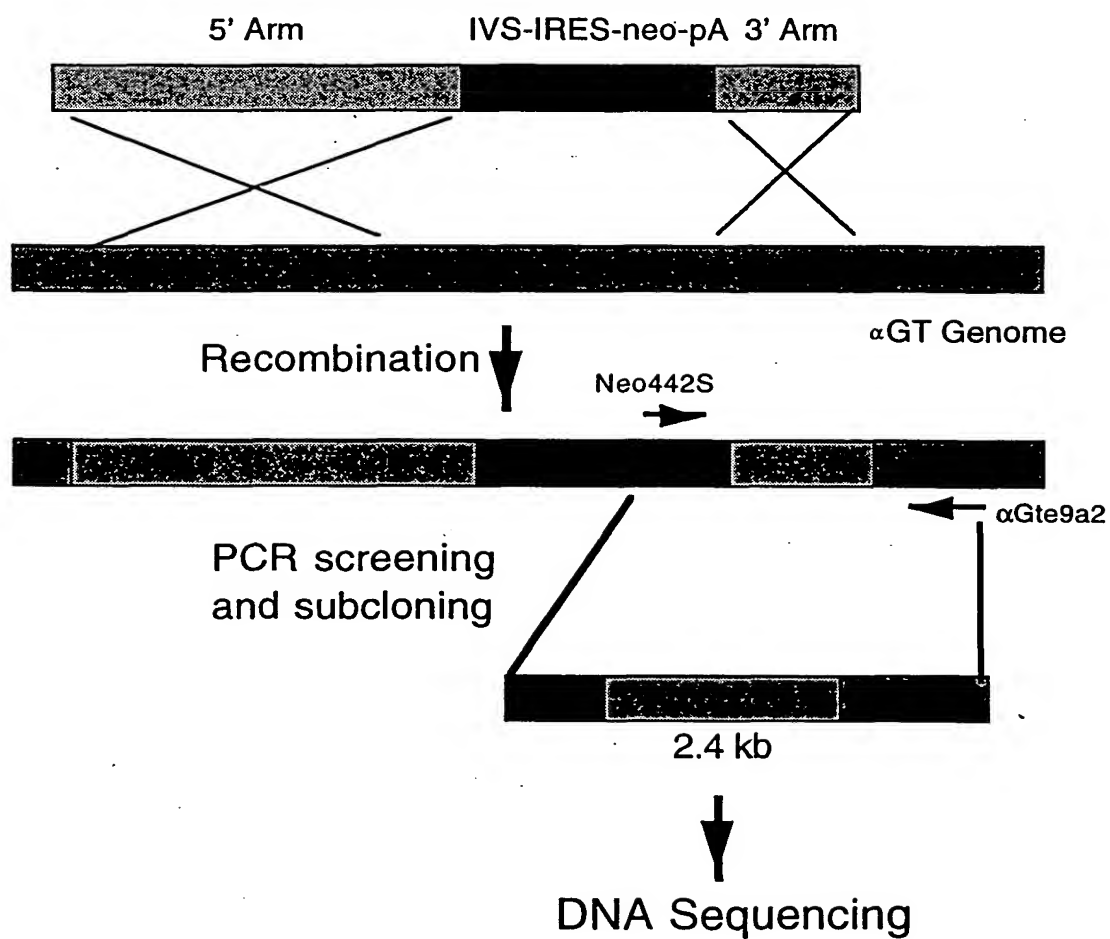


Figure 15. Sequence analysis over 3' junction region of PCR fragment amplified from porcine α -1,3GT targeted locus

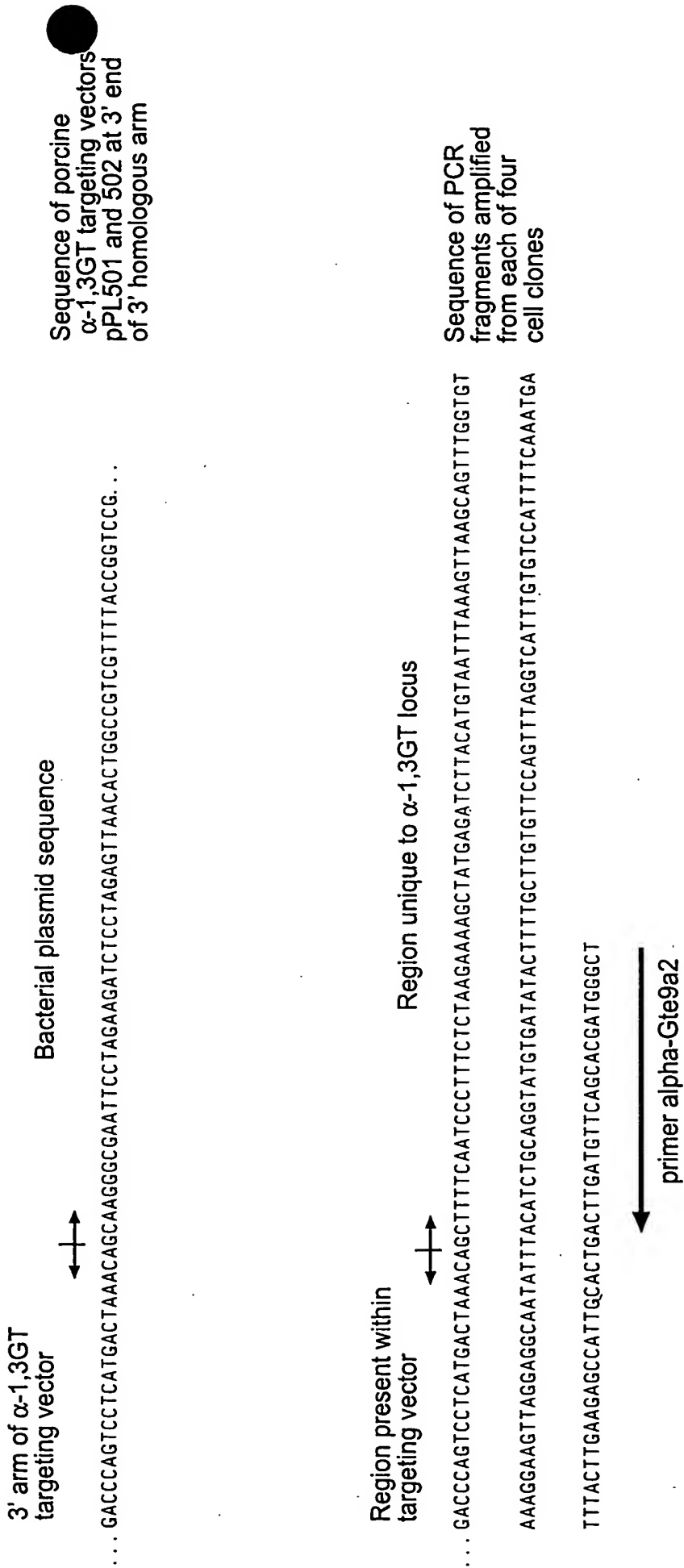


Figure 16. Poly A-trap Bovine BLG Knockout Vector

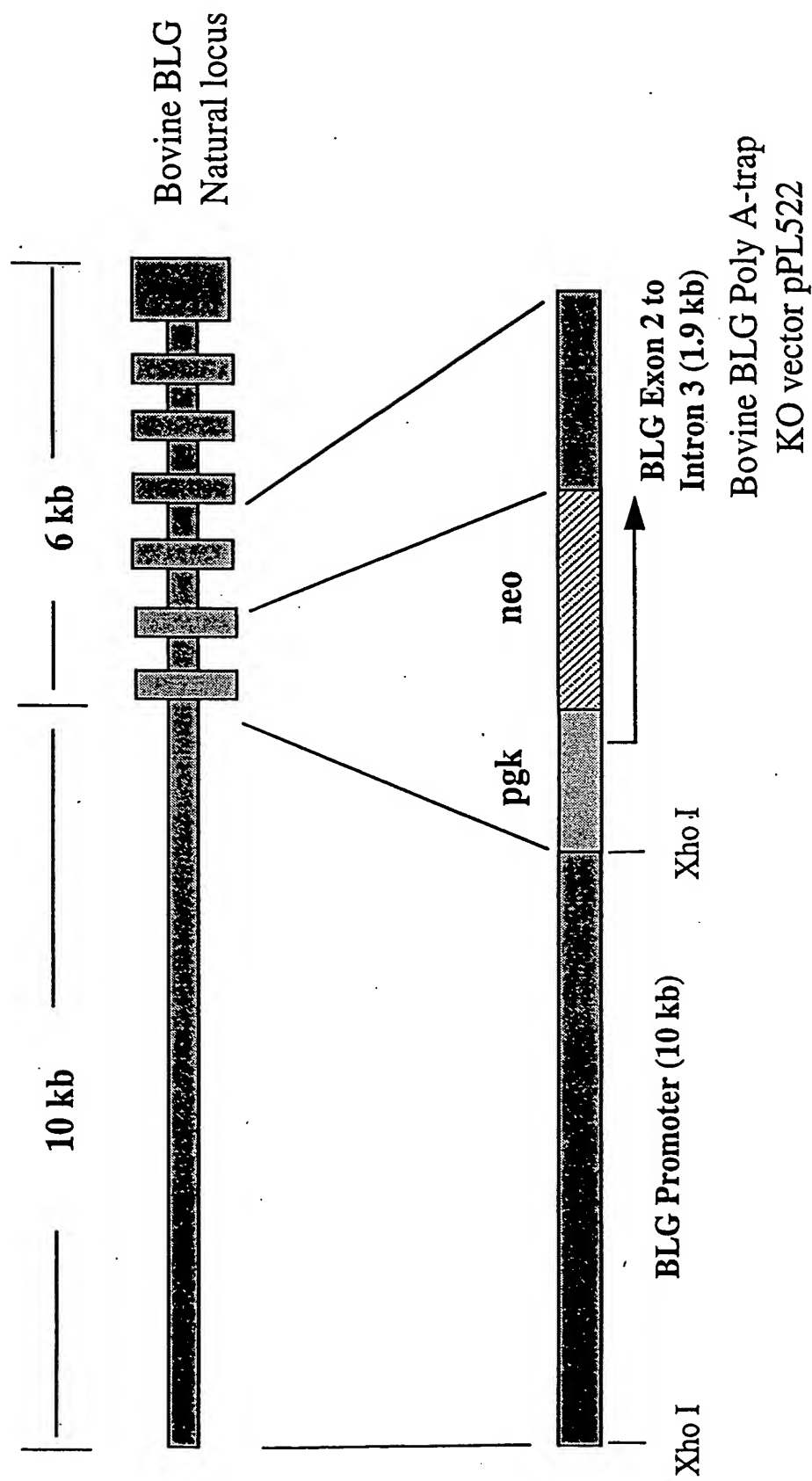
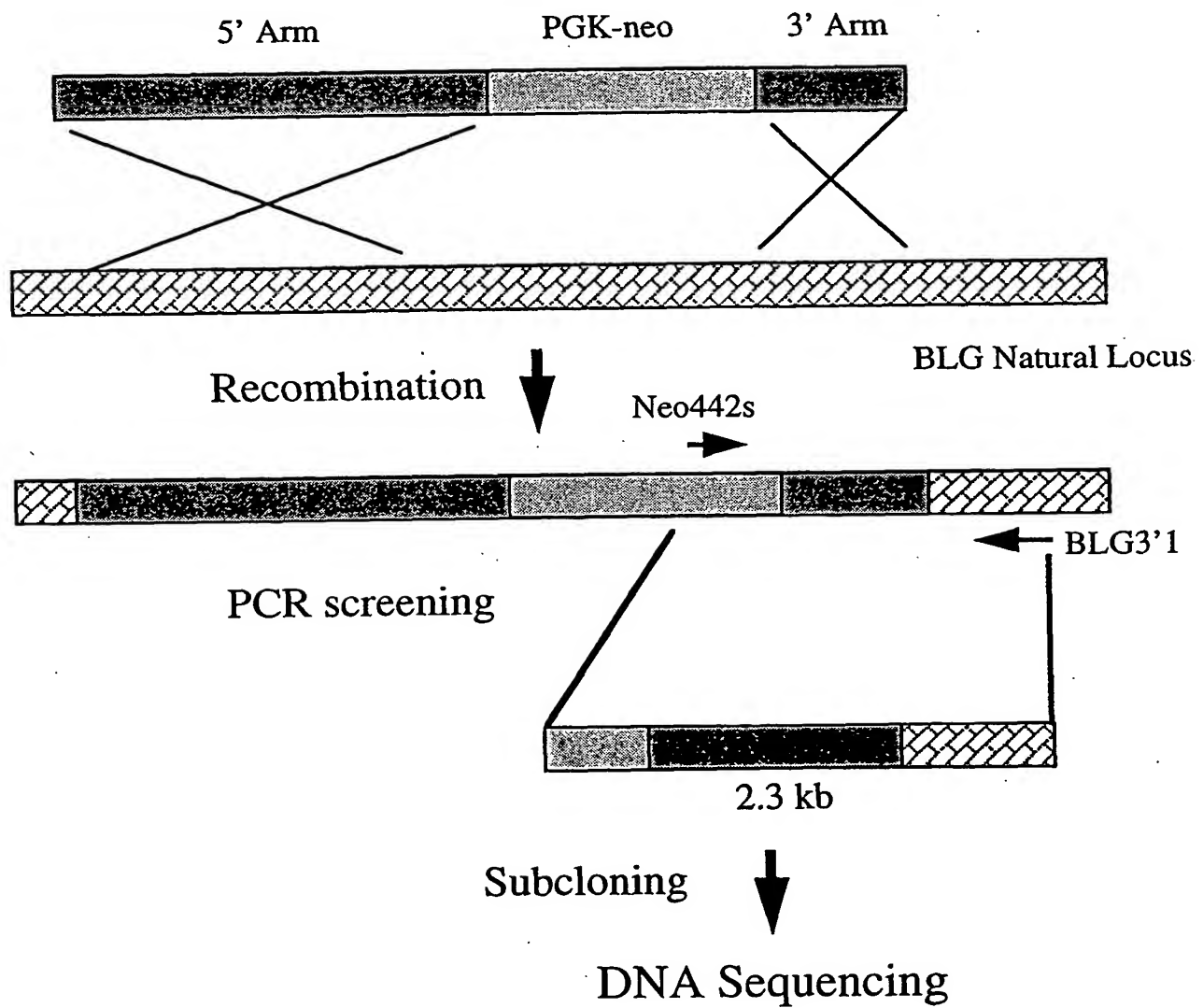


Figure 17. PCR Screening and DNA Sequencing of
BLG Knockout clones



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Figure 18. Sequence analysis over 3' junction region of PCR fragment amplified from bovine BLG targeted locus

